

## Building Product Information Sheet

Product name:

Danfoss Differential Bypass/Hydro lux Valve

Product line (the product line from which the product is customised):

Bypass Valves

Product description and its intended use (measurements, materials, usage):

Sometimes called a hydro lux valve, this differential pressure valve relieves system pressure for pumps when thermostatic or zone valve close.

A self-acting constant flow control primarily used either to maintain minimum flow rates through e.g. a low-capacity gas boiler or to control the differential pressure in a central heating system

available in 1"(25mm) and 1 ¼" (32mm)

Not for use with potable water.

Product identifier (if applicable):

VDIFFHYD, VDIFFHYD1

Please of manufacturer:  Aotearoa New Zealand  Overseas

Legal and trading name of the manufacturer(s):

Danfoss

Legal and trading name of the manufacturer(s):

Central Heating New Zealand Ltd

Address for service:

STREET NAME 52 Pilkington Way

SUBURB Wigram

CITY, COUNTRY Christchurch, New Zealand

POSTCODE 8042

Website:

<https://www.centralheating.co.nz/>

Email Address:

[info@centralheating.co.nz](mailto:info@centralheating.co.nz)

Phone No. (if applicable):

03 357 1233

NZBN (if applicable):

9429036621231

Relevant Building Code clauses:

Clause B2 DURABILITY:

Performance B2.3.1 (b)

Clause F2 HAZARDOUS BUILDING MATERIALS:

Performance F2.3.1.

Clause G10 PIPED SERVICES:

Performance G10.3.1 (a).

Statement on how the building product is expected to contribute to compliance:

Clause B2 DURABILITY:

Performance B2.3.1 (b) 15 years. Valves are moderately easy to access and replace if installed in accordance with the instructions and product requirements.

Clause F2 HAZARDOUS BUILDING MATERIALS:

Performance F2.3.1. Valves meet this requirement and do not present a health hazard to people.

Clause G10 PIPED SERVICES:

Performance G10.3.1 (a). Heating valves are supplied by a non-potable piping system, which contributes to meeting this requirement when used in heating systems.

- *options for compliance set out in section 19 of the Act (regulations, acceptable solution, verification method)*
- *standard or technical document that describes the performance of the building product or the relevant specifications to which the building product was manufactured.*
- *physical properties of the building product*
- *how the building product is intended to be used.*

**Limitations on the use of the building product:**

Please refer to the Danfoss Differential Bypass/Hydro lux Valve technical information provided on the Central Heating NZ website.

The hot water heating system must not be connected to the potable water supply system.

valve is not suitable for potable water supply.

**Design requirements that would support the use of the building product:**

The heating system design, including the layout of the pipe, must be carried out by a suitably qualified designer.

Please refer to the valve [technical information](#) provided on the Central Heating NZ website.

Design must consider the requirement of building code clause H1 for pipework and heating design.

**Installation requirements:**

Please refer to the valve [technical information](#) and installation instructions provided on the Central Heating NZ website.

The valve body must be mounted with flow in direction of the cast-in arrow.

The system installation must be carried out by a licensed and qualified tradesperson, in accordance with the design supplied by the suitably qualified designer.

A detailed as-built plan and site photos shall be provided upon the conclusion of installation showing location of all associated pipework and the Differential Bypass/Hydrolux valve location on a heating schematic.

**Maintenance requirements:**

Annual visual inspection & verify bypass setting.

Is the building product/building product line subject to warning or ban under section 26:

Yes  No

If yes, description of the warning or ban under section 26:

Date:

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